

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 092	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/JP2005/022506	International filing date (day/month/year) 01/12/2005	(Earliest) Priority Date (day/month/year) 02/12/2004
Applicant KABUSHIKI KAISHA OHARA		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention

b. none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/JP2005/022506

A. CLASSIFICATION OF SUBJECT MATTER
INV. H01M10/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 1 424 743 A (KABUSHIKI KAISHA OHARA) 2 June 2004 (2004-06-02)</p> <p>paragraphs [0015], [0017], [0020] – [0028]; example 3</p> <p>-----</p> <p>US 2003/224244 A1 (INDA YASUSHI ET AL) 4 December 2003 (2003-12-04)</p> <p>paragraph [0022]; figure 1; examples 1, Comp. 1</p> <p>-----</p> <p style="text-align: center;">-/--</p>	1-9, 12-17, 20,21
X		1-3,6,8, 9,12,13

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

15 May 2006

Date of mailing of the international search report

29/05/2006

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fitzpatrick, J

INTERNATIONAL SEARCH REPORT

International application No PCT/JP2005/022506

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 200354 Derwent Publications Ltd., London, GB; Class L03, AN 2002-522770 XP002380992 -& JP 03 433173 B2 (NIPPON GAKUJUTSU SHINKOKAI) 4 August 2003 (2003-08-04) abstract -----	1-3,8,12
X	US 6 165 646 A (TAKADA ET AL) 26 December 2000 (2000-12-26) column 25, line 65 – column 26, line 3 column 1, lines 9-12 -----	1-3,12
X	US 2003/142466 A1 (YAMADA MASAYUKI ET AL) 31 July 2003 (2003-07-31) paragraphs [0026], [0032] -----	1-8, 12-17,21
X	US 2004/081891 A1 (YAMAGUCHI AKIRA ET AL) 29 April 2004 (2004-04-29) paragraphs [0040], [0041] -----	1-8, 12-17,21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/JP2005/022506

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1424743	A	02-06-2004		CA 2451181 A1 CN 1505198 A JP 2004185862 A US 2004106046 A1		29-05-2004 16-06-2004 02-07-2004 03-06-2004
US 2003224244	A1	04-12-2003		CN 1463051 A EP 1372208 A2 JP 2003346901 A		24-12-2003 17-12-2003 05-12-2003
JP 3433173	B2	04-08-2003		JP 2002109955 A		12-04-2002
US 6165646	A	26-12-2000		US 6352796 B1		05-03-2002
US 2003142466	A1	31-07-2003		AU 9026801 A CN 1432201 A DE 10196256 T0 WO 0227825 A1		08-04-2002 23-07-2003 21-08-2003 04-04-2002
US 2004081891	A1	29-04-2004		CN 1618141 A WO 03056653 A1 JP 2003197259 A		18-05-2005 10-07-2003 11-07-2003